

WHAT IS CLAIMED IS:

1           1.       A method, comprising:  
2           receiving a request to modify a permitted resource allocation;  
3           determining a modification restriction providing a limit on modifications that may  
4 be made to the permitted resource allocation; and  
5           allowing the requested modification to the permitted resource allocation if the  
6 determined modification restriction allows the requested modification.

1           2.       The method of claim 1, wherein the determination of the modification  
2 restriction comprises determining whether there is one modification restriction for the  
3 resource allocation to be modified for a user that initiated the request or for a database to  
4 which the resource allocation applies.

1           4.       The method of claim 1, further comprising:  
2           generating an error condition if the requested modification is not permitted by the  
3 modification restriction.

1           5.       The method of claim 1, wherein the permitted resource allocation  
2 comprises an amount of memory or an amount of processor resources to use when  
3 processing the operation, and wherein the requested modification of the amount of  
4 memory or processor resources to use is permitted if the modification restriction indicates  
5 that the permitted resource allocation can be modified.

1           6.       The method of claim 1, wherein the permitted resource allocation  
2 indicates a location where data structures may be created, and wherein the requested  
3 modification of the location where data structures may be created is permitted if the  
4 modification restriction indicates that the permitted resource allocation can be modified.

1           7.       The method of claim 1, wherein the permitted resource allocation  
2 indicates a type limitation on the type of data structures that may be created, and wherein

3 the requested modification of the type of data structures that may be created is permitted  
4 if the modification restriction indicates that the permitted resource allocation can be  
5 modified. by the request.

1 8. The method of claim 1, further comprising:  
2 receiving a request to modify one modification restriction for one permitted  
3 resource allocation;  
4 modifying the modification restriction as requested if the request is submitted by  
5 an administrator; and  
6 denying the requested modification of the modification restriction if the request is  
7 not submitted by the administrator.

1 9. The method of claim 1, wherein the modification restriction comprises an  
2 immutable indicator indicating whether the modification restriction can be modified by  
3 someone other than the administrator.

1 10. The method of claim 1, wherein the modification restriction is maintained  
2 in a stored procedure program, and wherein the permitted resource allocations specify  
3 resource allocations to execute the stored procedure program in which the modification  
4 restrictions are maintained.

1 11. A system, comprising:  
2 computational resources;  
3 circuitry capable of causing operations to be performed, the operations  
4 comprising:  
5 (i) receiving a request to modify a permitted resource allocation of the  
6 computational resources;  
7 (ii) determining a modification restriction providing a limit on  
8 modifications that may be made to the permitted resource allocation; and

9 (iii) allowing the requested modification to the permitted resource  
10 allocation if the determined modification restriction allows the requested  
11 modification.

1 12. The system of claim 11, wherein the determination of the modification  
2 restriction comprises determining whether there is one modification restriction for the  
3 resource allocation to be modified for a user that initiated the request or for a database to  
4 which the resource allocation applies.

1 13. The system of claim 11, wherein the operations capable of being  
2 performed by the circuitry further comprise:  
3 generating an error condition if the requested modification is not permitted by the  
4 modification restriction.

1 14. The system of claim 11, wherein the computational resources include  
2 memory and processor resources, wherein the permitted resource allocation comprises an  
3 amount of the memory or an amount of the processor resources to use when processing  
4 the operation, and wherein the requested modification of the amount of memory or  
5 processor resources to use is permitted if the modification restriction indicates that the  
6 permitted resource allocation can be modified.

1 15. The system of claim 11, wherein the permitted resource allocation  
2 indicates a location where data structures may be created, and wherein the requested  
3 modification of the location where data structures may be created is permitted if the  
4 modification restriction indicates that the permitted resource allocation can be modified.

1 16. The system of claim 11, wherein the permitted resource allocation  
2 indicates a type limitation on the type of data structures that may be created, and wherein  
3 the requested modification of the type of data structures that may be created is permitted  
4 if the modification restriction indicates that the permitted resource allocation can be  
5 modified. by the request.

1           17.    The system of claim 11, wherein the operations capable of being  
2 performed by the circuitry further comprise:  
3           receiving a request to modify one modification restriction for one permitted  
4 resource allocation;  
5           modifying the modification restriction as requested if the request is submitted by  
6 an administrator; and  
7           denying the requested modification of the modification restriction if the request is  
8 not submitted by the administrator.

1           18.    The system of claim 11, wherein the modification restriction comprises an  
2 immutable indicator indicating whether the modification restriction can be modified by  
3 someone other than the administrator.

1           19.    The system of claim 11, wherein the modification restriction is maintained  
2 in a stored procedure program, and wherein the permitted resource allocations specify  
3 resource allocations to execute the stored procedure program in which the modification  
4 restrictions are maintained.

1           20.    An article of manufacture capable of causing operations to be performed,  
2 the operations comprising:  
3           receiving a request to modify a permitted resource allocation;  
4           determining a modification restriction providing a limit on modifications that may  
5 be made to the permitted resource allocation; and  
6           allowing the requested modification to the permitted resource allocation if the  
7 determined modification restriction allows the requested modification.

1           21.    The article of manufacture of claim 20, wherein the determination of the  
2 modification restriction comprises determining whether there is one modification  
3 restriction for the resource allocation to be modified for a user that initiated the request or  
4 for a database to which the resource allocation applies.

1           22.    The article of manufacture of claim 20, wherein the operations further  
2   comprise:  
3           generating an error condition if the requested modification is not permitted by the  
4   modification restriction.

1           23.    The article of manufacture of claim 20, wherein the permitted resource  
2   allocation comprises an amount of memory or an amount of processor resources to use  
3   when processing the operation, and wherein the requested modification of the amount of  
4   memory or processor resources to use is permitted if the modification restriction indicates  
5   that the permitted resource allocation can be modified.

1           24.    The article of manufacture of claim 20, wherein the permitted resource  
2   allocation indicates a location where data structures may be created, and wherein the  
3   requested modification of the location where data structures may be created is permitted  
4   if the modification restriction indicates that the permitted resource allocation can be  
5   modified.

1           25.    The article of manufacture of claim 20, wherein the permitted resource  
2   allocation indicates a type limitation on the type of data structures that may be created,  
3   and wherein the requested modification of the type of data structures that may be created  
4   is permitted if the modification restriction indicates that the permitted resource allocation  
5   can be modified. by the request.

1           26.    The article of manufacture of claim 20, wherein the operations further  
2   comprise:  
3           receiving a request to modify one modification restriction for one permitted  
4   resource allocation;  
5           modifying the modification restriction as requested if the request is submitted by  
6   an administrator; and  
7           denying the requested modification of the modification restriction if the request is  
8   not submitted by the administrator.

1           27.    The article of manufacture of claim 20, wherein the modification  
2   restriction comprises an immutable indicator indicating whether the modification  
3   restriction can be modified by someone other than the administrator.

1           28.    The article of manufacture of claim 20, wherein the modification  
2   restriction is maintained in a stored procedure program, and wherein the permitted  
3   resource allocations specify resource allocations to execute the stored procedure program  
4   in which the modification restrictions are maintained.